

### Abstract

The present invention relates to a process for utilizing waste waters which comprises the separate collection of gray water and/or black water and membrane filtration of the separately collected gray water and/or solids/liquid separation of the separately collected black water. The present invention preferably relates to a process for producing potable water from gray water or one or more of its partial streams. Moreover, an apparatus for producing potable water from gray water and an apparatus for utilizing black water and its use is described.

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